Siddhu Warrier

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Profile

- 6+ years experience in industry, and 2 postgraduate degrees in Computer Science funded by the European Commission.
- Experience developing distributed systems and automated continuous deployment solutions
- Consulting experience solving business problems for customers in a variety of domains by choosing the best tools for the job and leading projects through the entire software development lifecycle.
- Development experience in a variety of languages including Java, Scala, and Python on a range of platforms that includes Android, Linux, Docker, Heroku, and wireless sensor nodes.
- Experience recruiting and mentoring developers.
- Passionate about Continuous Delivery, Agile and Behaviour Driven development.
- Best Student awardee for 2005—07 cohort of the EuMI school double M.Sc. programme.

Software Development Skills

- *Programming Languages:* Java, Scala, Python, C/C++
- *Platforms:* GNU/Linux, Android, Heroku, Docker, Amazon Web Services
- *Specialties:* Continuous Delivery, Cloud Computing, Agile software development, Behaviour-Driven Development (BDD)
- *Frameworks and other technologies:* Play Framework, Puppet, Akka, Spring

Relevant Experience

Senior Software Engineer, Cisco Systems Ltd   January 2013 — present

- *Application Development and Delivery:*
  - Led the development, including the design of automated delivery and deployment mechanisms, of a distributed customer configuration notification system for a network traffic anomaly detection SaaS solution (http://bit.ly/1qoJbMj) built as part of the Cisco CWS offering.
  - Developed a suite of scalable RESTful web services for device configuration delivery as part of a distributed team (USA/UK).
- *Dev environment automation:* Leading the design and development of an automated team development environment, including dynamic VM and container provisioning, version control, continuous integration, and continuous deployment.
- *Project Management:* Was scrum master of a cross-functional team comprised of software, QA, and DevOps engineers.
- *Recruitment and mentoring:* Involved in developer recruitment and mentoring.
- *Recognition:* Recepient of multiple internal recognition awards.
- *Technologies used:* Java, Scala, Akka, Spring, spray.io, Play Framework 2.x, Puppet, GNU/Linux (CentOS/RHEL), Docker

Senior Software Engineer, Cloudreach Limited   September 2010 — December 2012

- *Responsibilities*
  - *Lead project teams:* Led distributed teams in the design, development, and delivery of two multi-platform customer projects, with a third approaching delivery. Additionally involved in development of products.
  - *Mentor:* Responsible for technical mentoring of two junior developers.
  - *Choose processes, platforms, and development methodologies:* Involved in design and implementation of software development methodology, continuous delivery processes, and development platforms.
  - *Recruit:* Heavily involved in design and execution of developer recruitment process.

- *Drive Process adoption:* Delivered structured three-week training programme to introduce new developers to software engineering best practices, Behaviour Driven Development (BDD), and Agile software development.

- *Selected Projects*
  - Led development of an extremely loosely-coupled integration between the Heroku platform and an internal system of record for a logistics company in order to provide detailed, up-to-date reporting to their customers and staff.
  - Led development of distributed, mobile sales solution for UK-wide network of franchisees with geographically distributed team.

- *Technologies used:* Java (Android, Play Framework), Python (Django), Heroku, Google AppEngine
- *Excerpted Testimonials (from [LinkedIn](#))*

> *"Siddhu is a rare type of person. In the role that he did for us at ChipsAway he was very much a developer. But, he also has an incredibly savvy business head on him which enabled him to not only understand our business extremely quickly but to also offer some very valuable solutions to some of the business process issues we were modelling. The fact that he is not just an amazing developer but also understands the business makes him a very valuable employee..."* — Ali Ball, Technology Director, ChipsAway International

Software Engineer, SgurrEnergy Limited   July 2009 — May 2010

- Primarily focused on development of SgurrTrend windfarm operational monitoring software.
- Designed and implemented software development methodology and development IT infrastructure.

Software Developer, Offshore Hydrocarbon Mapping Ltd   March 2008 — July 2009

- Analysis, design, and development of scientific software for processing and modelling sub-sea electromagnetic survey data.
- Received commendation for contribution to the Research & Development department.

Talks

- *Geldart, J. and Warrier, S.* Asynchronous Communication Tools for Distributed Agile Teams. In *Agile-Lean@Cisco 2013, USA*

Certifications

- *June 2013:* Functional Programming Principles in Scala, *Coursera.org* (76.81/80 on assignments, awaiting certification)

Education

University of Edinburgh, UK
M.Sc. Informatics (European Master) (Grades: 75.1%/Distinction)   *2005—07*

- Part of double degree program funded by Erasmus Mundus scholarship from European Commission.
- *Thesis:* [Characterisation and Applications of MANET routing algorithms on WSNs](#) (jointly supervised at RWTH Aachen University)

RWTH Aachen University, Germany

M.Sc. Media Informatics (European Master) (Grades: 1.4/ECTS 'Sehr Gut/Very Good')   2005—07

- Part of double degree program funded by Erasmus Mundus scholarship from European Commission.

Anna University, India

B.Eng., Computer Science and Engineering (Grades: 82.1%/First Class with Distinction)   2001—05

Selected Academic Awards

- *April 2008:* Best Student awardee for 2005—07 cohort of the EuMI school double M.Sc. programme.
- *September 2005 — September 2007:* Recepient of the Erasmus Mundus scholarship from the European Commission.